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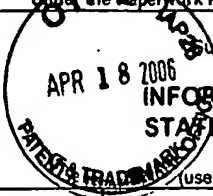


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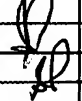
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 <p>Substitute for Form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>		<b>Complete If Known</b>	
		Application Number	10/037,179
		Filing Date	10/23/2001
		First Named Inventor	Alan Gatherer, et al.
		Group Art Unit	2634
		Examiner Name	Pathak, Sudhanshu C.
Sheet 1 of 2	Attorney Docket No.	TI-31552	

U.S. PATENT DOCUMENTS						
Exam. Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (MM-DD-YYYY)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
<i>AS</i>	AA	5,883,807		Hoekstra	03/18/1999	
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					
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FOREIGN PATENT DOCUMENTS								
Exam. Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
	BA		WO 98/43373 A		01/10/1998	Northern Telecom Limited		
	BB		EP 0 982 870 A1		01/03/2000	Lucent Technologies Inc.		
	BC							
	BD							
	BE							
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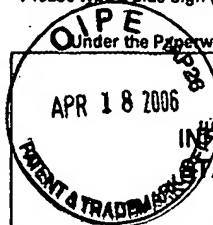


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Attorney Docket No.	TI-31552

Sheet 2 of 2

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam. Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	"Combined Multilevel Turbo-Code With MR-Modulation", L. Papke, et al., Communications-Gateway to Globalization. Proceedings of the Conference on Communications. Seattle, June 18-22, 1995, Proceedings of the Conference on Communications (ICC), New York, IEEE, US, Vol. 2, June 18, 1995, 668-672, XP000533098, ISBN: 0-7803-2487-0	
	CB	"Improved Space-Time Codes Using Serial Concatenation", Xiaotong Lin, et al., IEEE Communications Letters, IEEE Service Center, Piscataway, NJ, US, Vol. 4, No. 7, July 2000, pp. 221-223, XP000958655, ISSN: 1089-7798	
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